

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063020\
 Data File : VU039253.D
 Acq On : 01 Jul 2020 02:21
 Operator : SY/MD
 Sample : L3121-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 01 06:28:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 06:27:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	196418	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	215788	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	88419	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	59382	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.93	69	49507	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.59	63	96528	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.67	46	173974	31.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	63.36%
24) Chloroform-d	5.10	84	121178	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.74	65	74455	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
32) Benzene-d6	5.76	84	228444	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	6.72	67	70969	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.60%
41) Toluene-d8	7.92	98	190673	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.20	79	29857	3.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.60%
46) 2-Hexanone-d5	8.65	63	157649	36.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	56217	3.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	62.00%#
64) 1,2-Dichlorobenzene-d4	12.20	152	70668	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

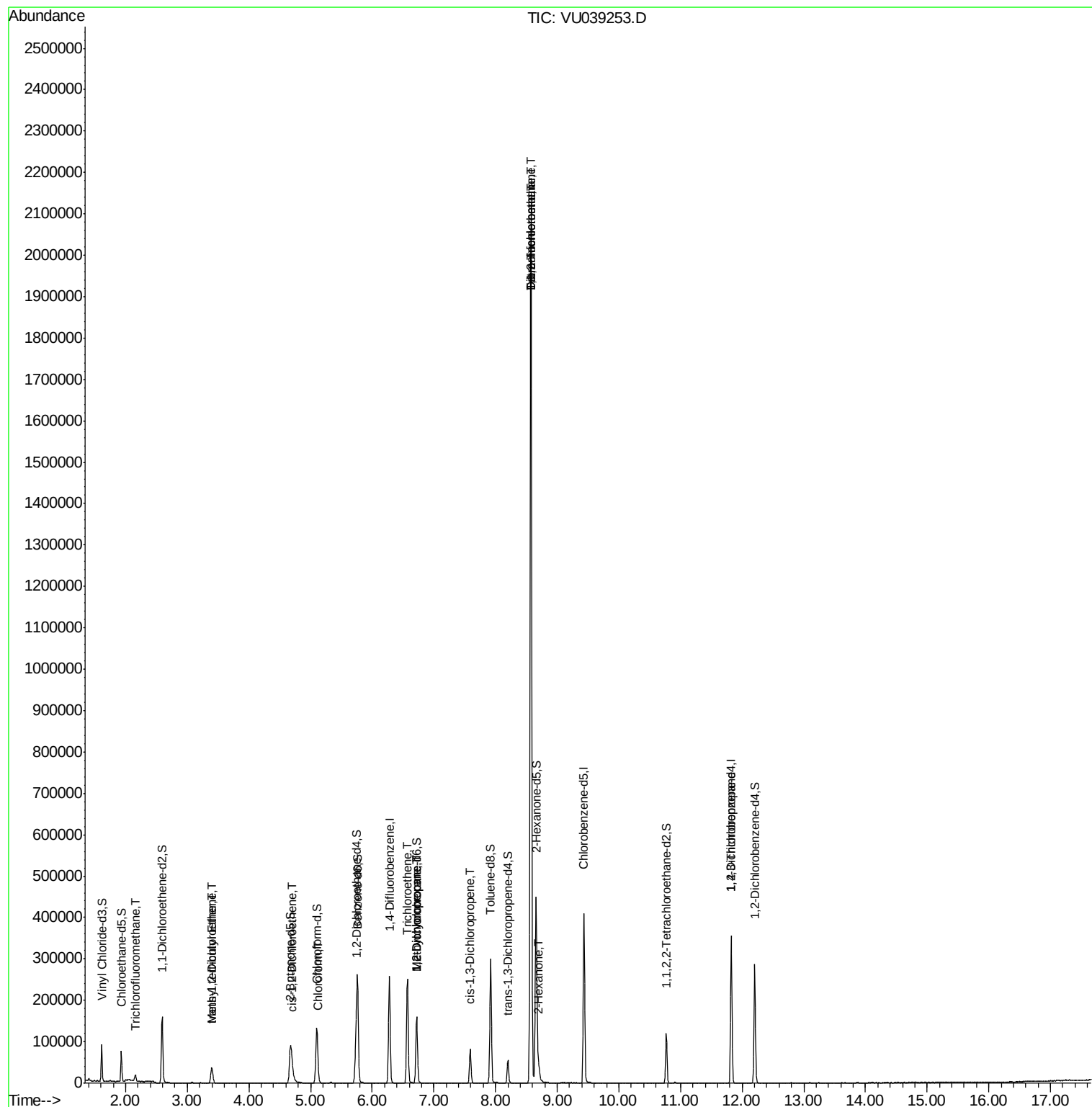
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	8000	0.274	ug/L	99
17) Methyl tert-butyl Ether	3.40	73	35569	0.945	ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	1546	0.108	ug/L	75
22) cis-1,2-Dichloroethene	4.71	96	2644	0.175	ug/L	84
25) Chloroform	5.13	83	6007	0.209	ug/L	89
34) Trichloroethene	6.57	95	81065	4.872	ug/L	98
35) Methylcyclohexane	6.72	83	17629	0.709	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	8448	0.494	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2310	0.095	ug/L #	62
45) 1,1,2-Trichloroethane	8.57	97	4332	0.334	ug/L #	8
47) Tetrachloroethene	8.57	164	449597	38.510	ug/L	98
48) 2-Hexanone	8.70	43	13905	1.404	ug/L #	88
49) Dibromochloromethane	8.57	129	426840	29.817	ug/L #	9
59) 1,2,3-Trichloropropane	11.82	75	10876	0.821	ug/L #	76

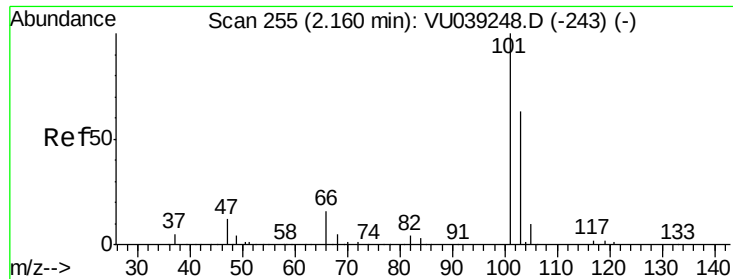
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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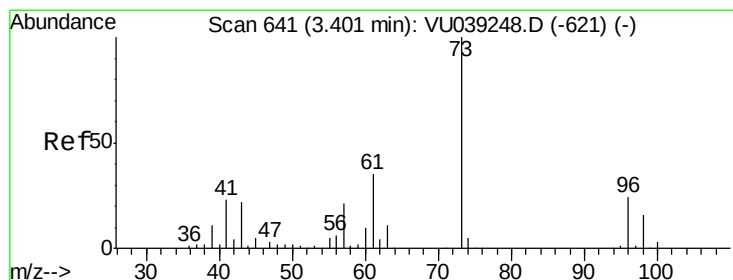
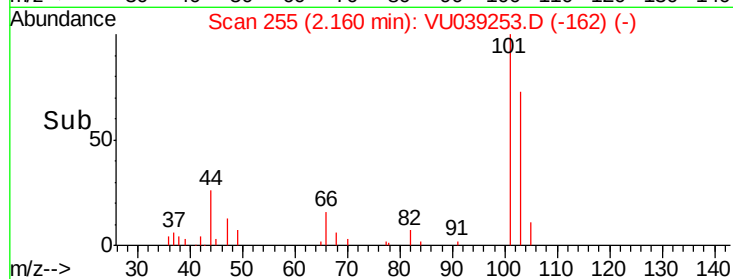
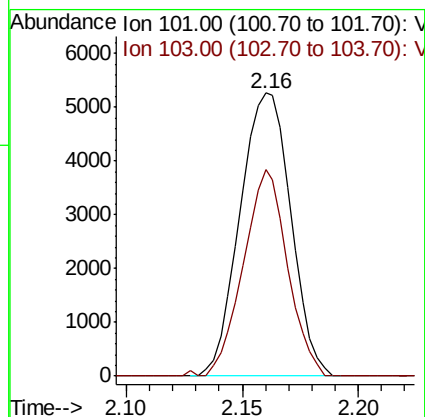
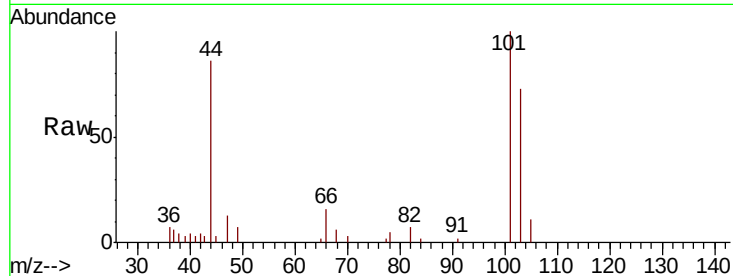


#9

Trichlorofluoromethane
Concen: 0.274 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU039253.D
Acq: 01 Jul 2020 02:21

Instrument :
MSVOA_U
ClientSampled :

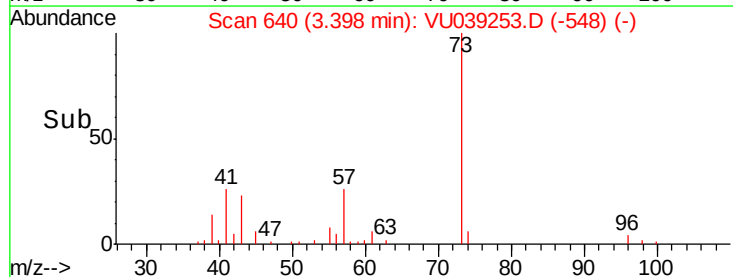
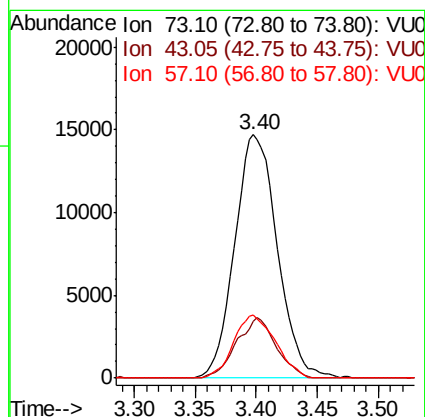
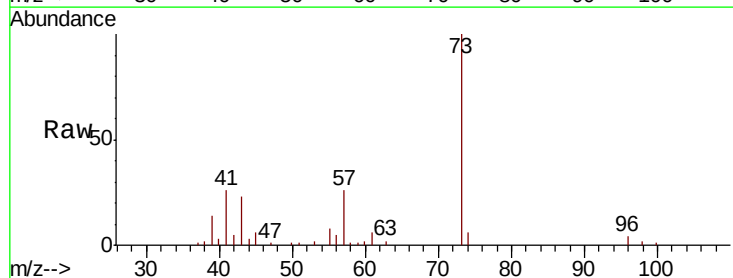
Tot Ion:101 Resp: 8000
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.0

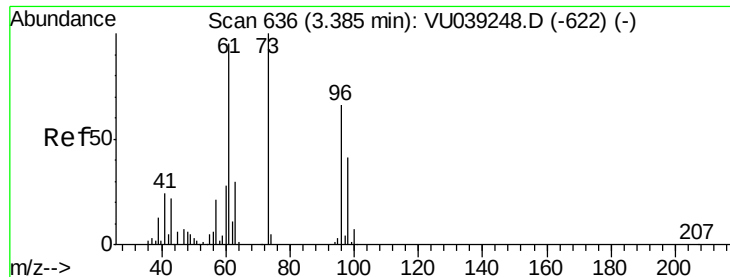


#17

Methyl tert-butyl Ether
Concen: 0.945 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU039253.D
Acq: 01 Jul 2020 02:21

Tgt Ion: 73 Resp: 35569
Ion Ratio Lower Upper
73 100
43 23.1 17.4 26.0
57 25.3 17.6 26.4

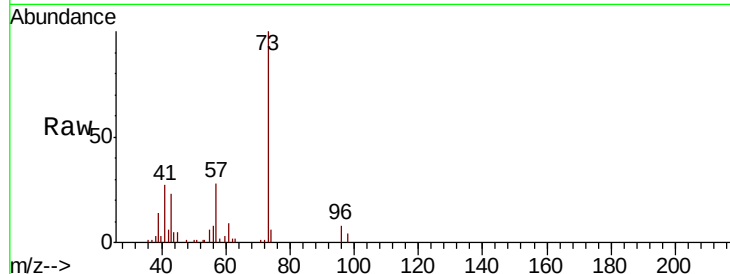




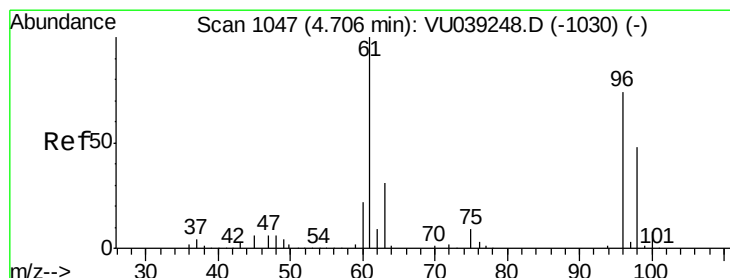
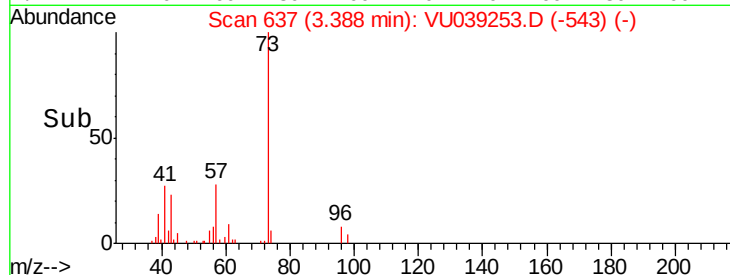
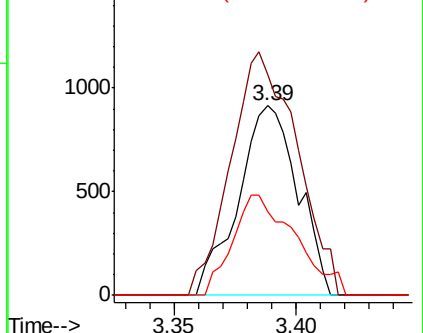
#18
 trans-1,2-Dichloroethene
 Concen: 0.108 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU039253.D
 Acq: 01 Jul 2020 02:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 1546
 Ion Ratio Lower Upper
 96 100
 61 116.4 103.3 191.8
 98 44.0 44.0 81.8

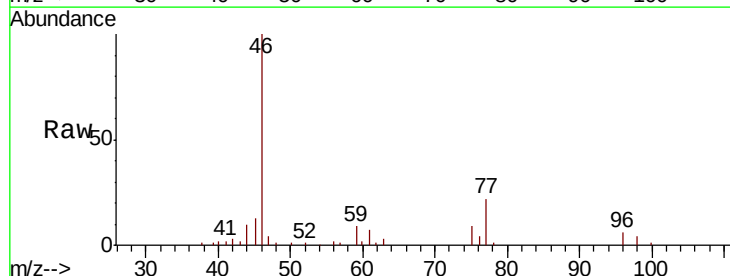


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

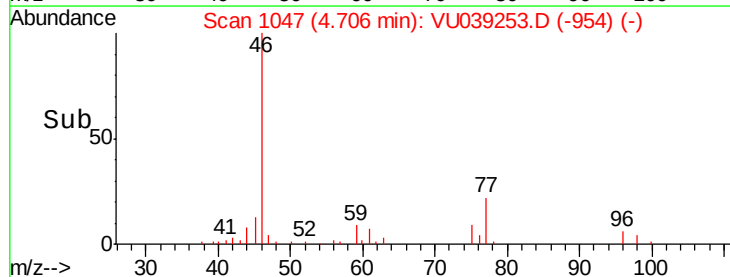
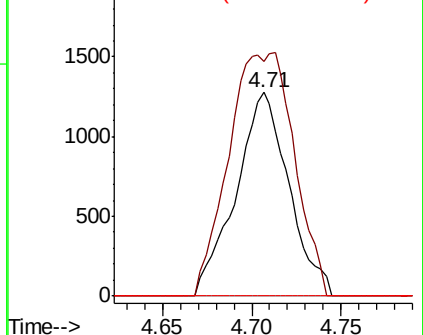


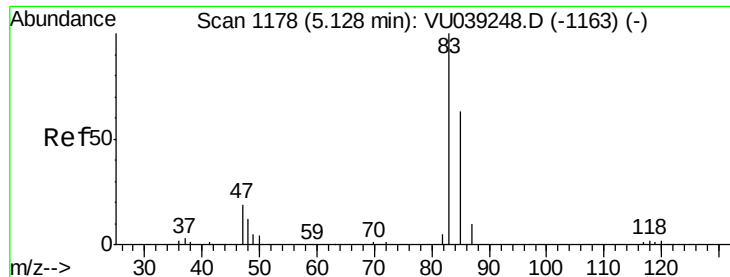
#22
 cis-1,2-Dichloroethene
 Concen: 0.175 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU039253.D
 Acq: 01 Jul 2020 02:21

Tgt Ion: 96 Resp: 2644
 Ion Ratio Lower Upper
 96 100
 61 115.3 94.2 175.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

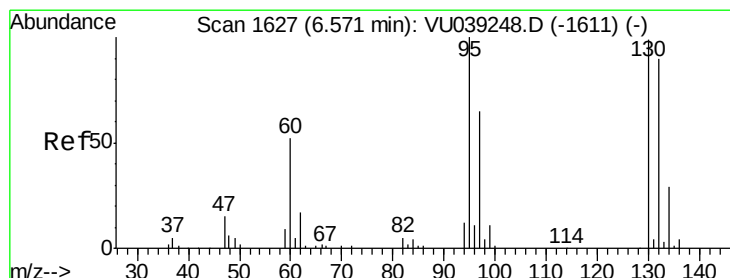
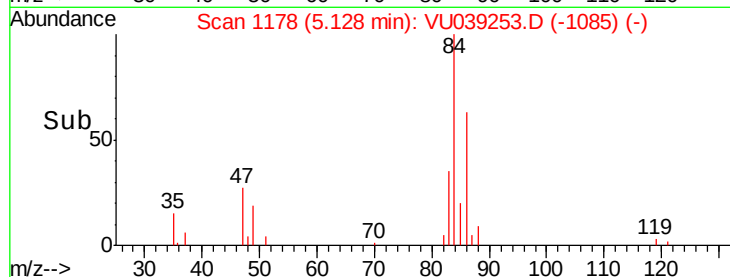
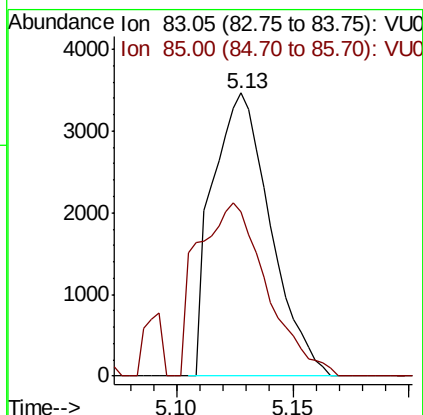
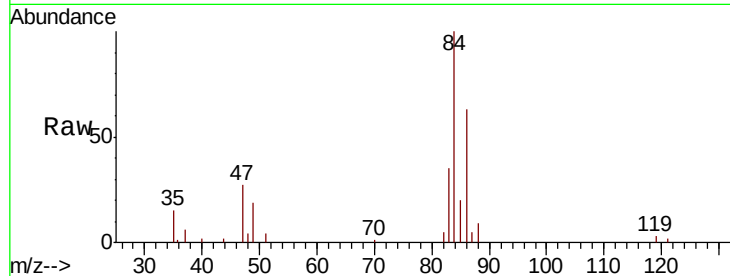




#25
Chloroform
Concen: 0.209 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU039253.D
Acq: 01 Jul 2020 02:21

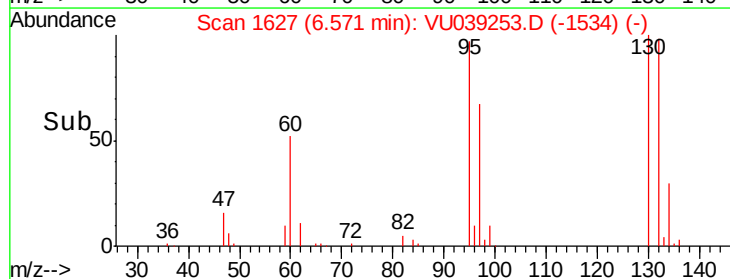
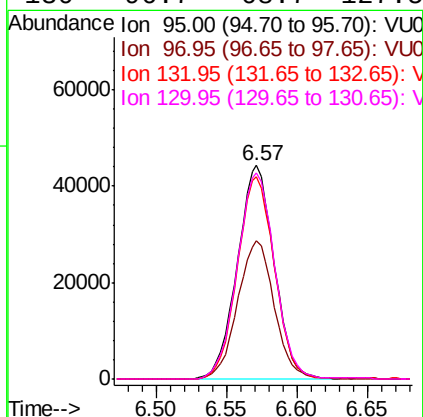
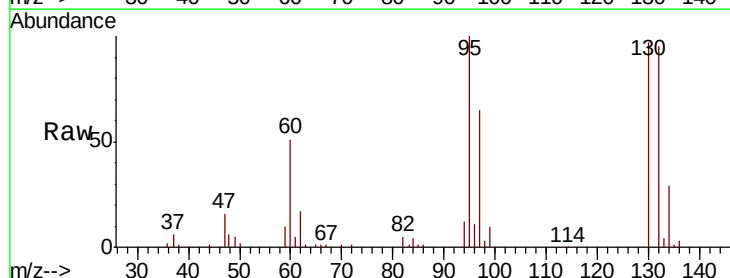
Instrument :
MSVOA_U
ClientSampleId :

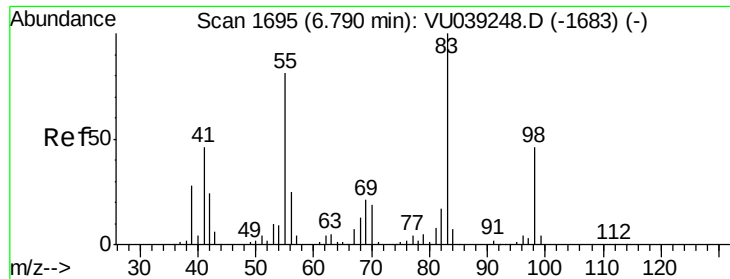
Tot Ion: 83 Resp: 6007
Ion Ratio Lower Upper
83 100
85 58.0 47.0 87.4



#34
Trichloroethene
Concen: 4.872 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU039253.D
Acq: 01 Jul 2020 02:21

Tgt Ion: 95 Resp: 81065
Ion Ratio Lower Upper
95 100
97 64.7 44.0 81.8
132 94.5 64.9 120.5
130 96.7 68.7 127.5

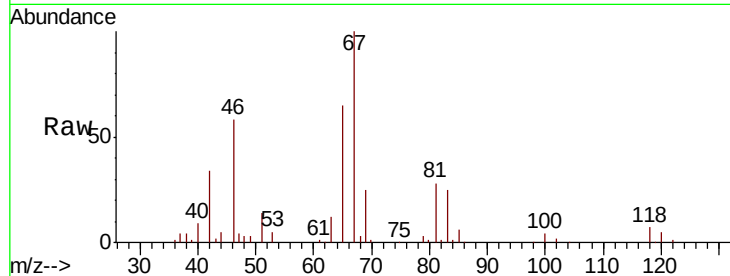




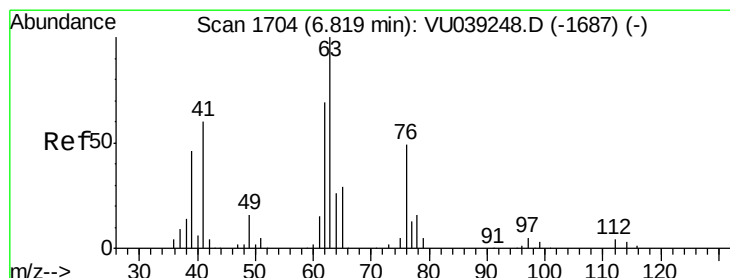
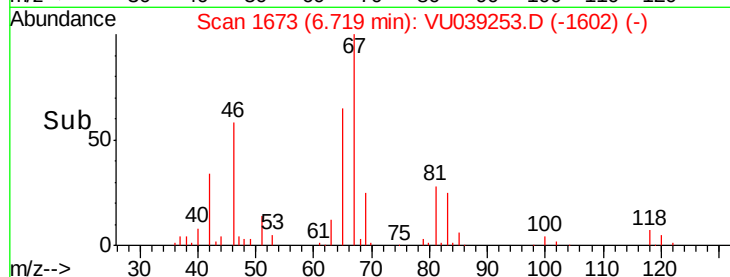
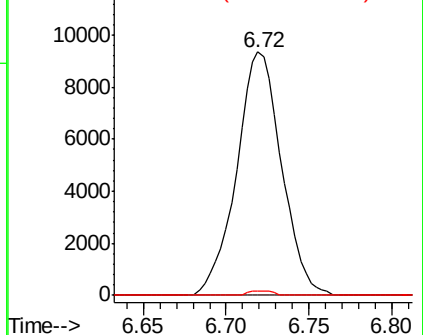
#35
Methylvlcyclohexane
Concen: 0.709 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039253.D
Acq: 01 Jul 2020 02:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 17629
Ion Ratio Lower Upper
83 100
55 0.0 64.4 96.6#
98 0.9 37.9 56.9#

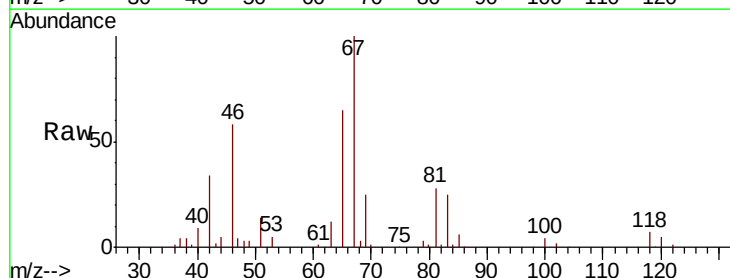


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

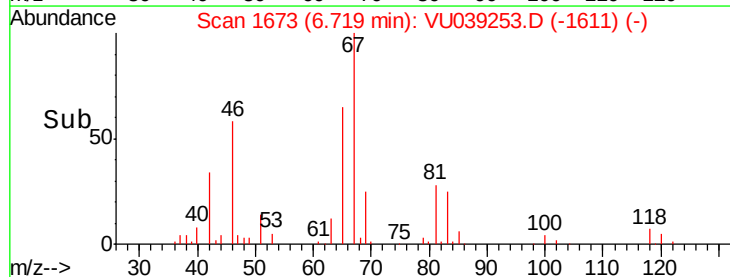
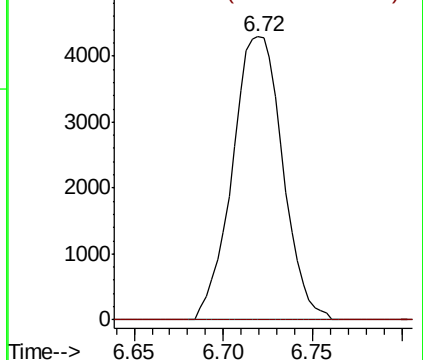


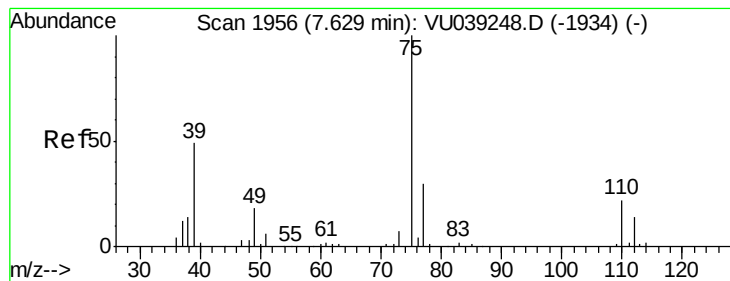
#37
1,2-Dichloropropane
Concen: 0.494 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU039253.D
Acq: 01 Jul 2020 02:21

Tgt Ion: 63 Resp: 8448
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



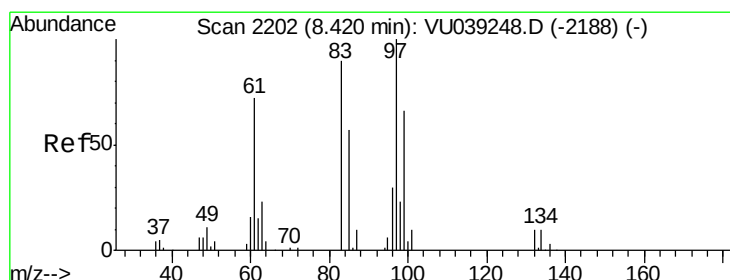
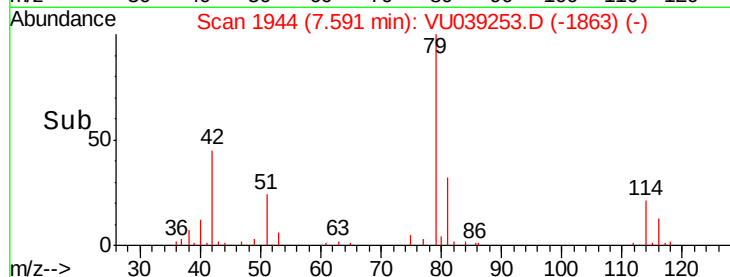
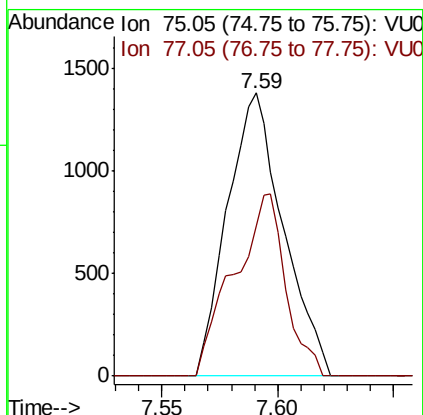
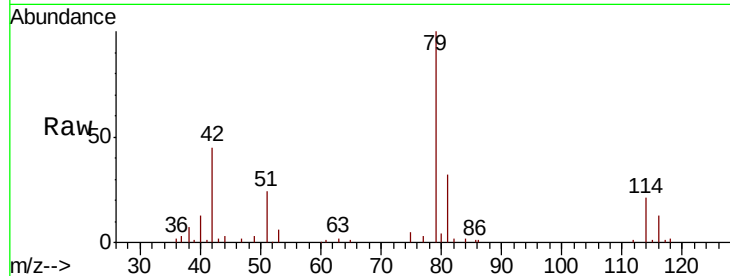


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU039253.D
Acq: 01 Jul 2020 02:21

Instrument :
MSVOA_U
ClientSampled :

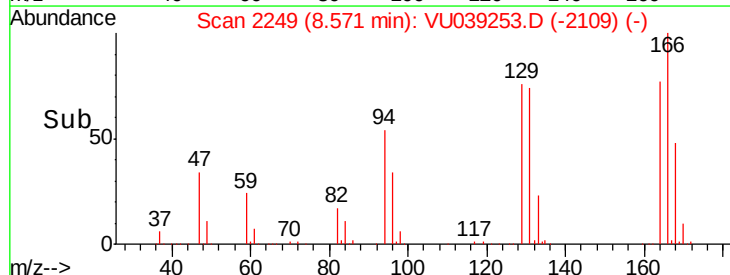
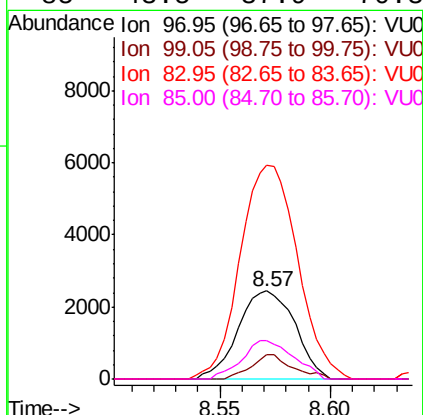
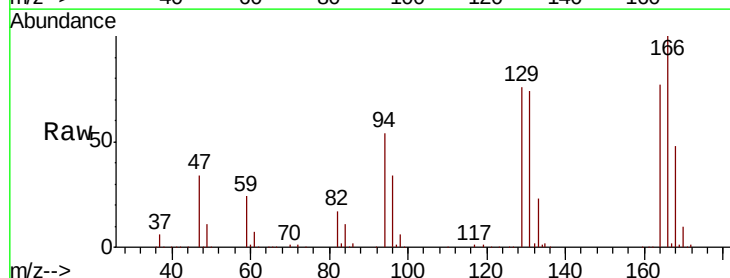
Tot Ion: 75 Resp: 2310
Ion Ratio Lower Upper
75 100
77 53.3 22.5 41.7#

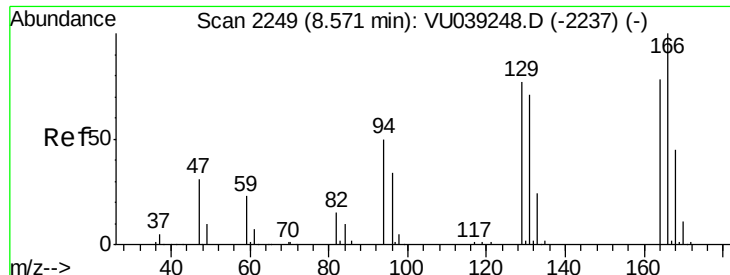


#45

1,1,2-Trichloroethane
Concen: 0.334 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. 0.15 min
Lab File: VU039253.D
Acq: 01 Jul 2020 02:21

Tgt Ion: 97 Resp: 4332
Ion Ratio Lower Upper
97 100
99 27.3 43.7 81.1#
83 243.2 58.9 109.3#
85 43.5 37.9 70.3





#47

Tetrachloroethene

Concen: 38.510 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU039253.D

Acq: 01 Jul 2020 02:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 449597

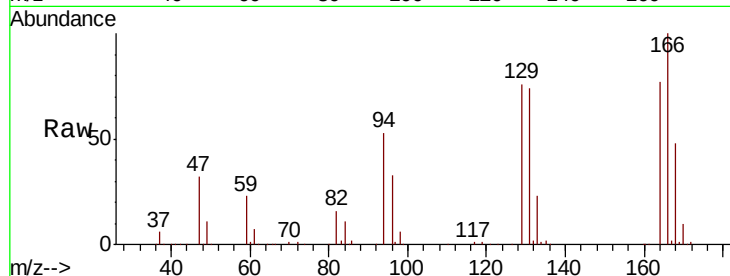
Ion Ratio Lower Upper

164 100

129 98.1 66.4 123.4

131 95.5 66.7 123.9

166 129.8 92.3 171.5

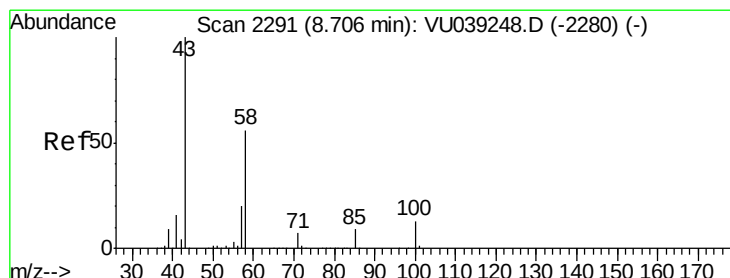
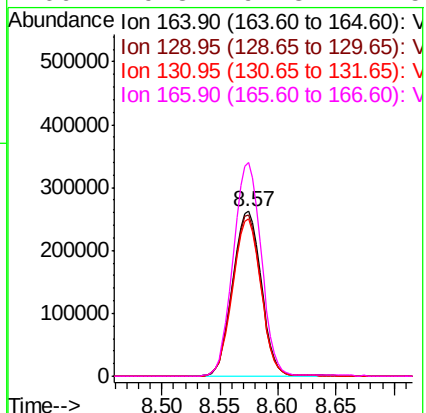
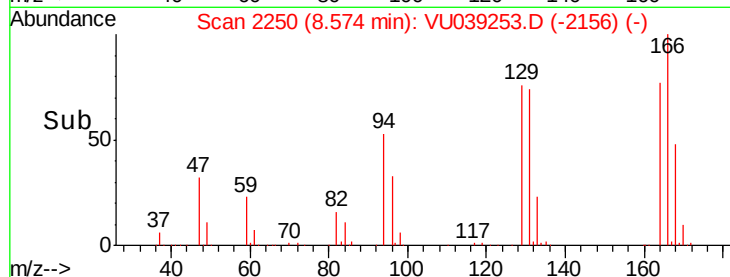


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.404 ug/L

RT: 8.70 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU039253.D

Acq: 01 Jul 2020 02:21

Tgt Ion: 43 Resp: 13905

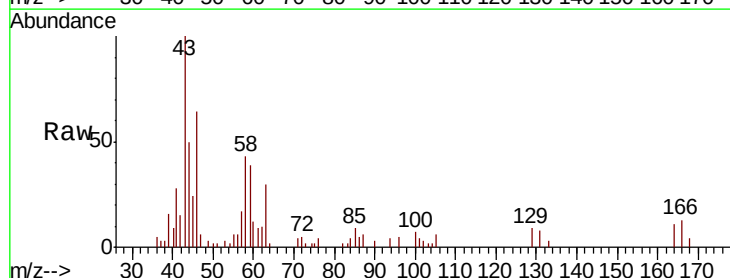
Ion Ratio Lower Upper

43 100

58 43.5 43.6 65.4#

57 18.3 15.5 23.3

100 7.6 10.0 15.0#

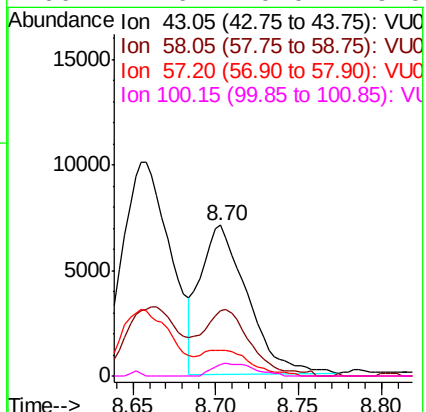
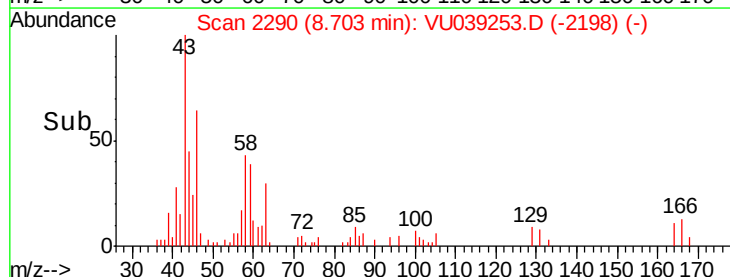


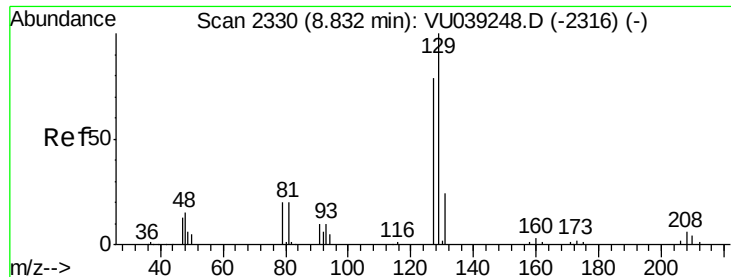
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 29.817 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU039253.D

Acq: 01 Jul 2020 02:21

Instrument :

MSVOA_U

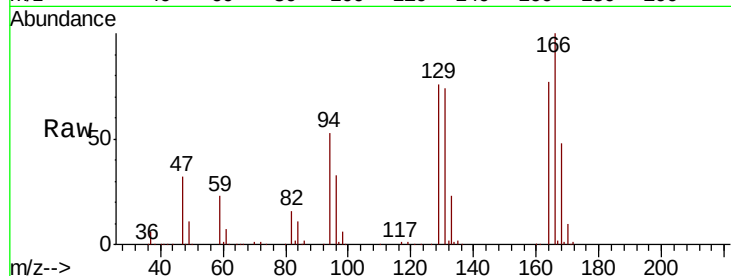
ClientSampled :

Tot Ion:129 Resp: 426840

Ion Ratio Lower Upper

129 100

127 0.0 56.8 105.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

250000

200000

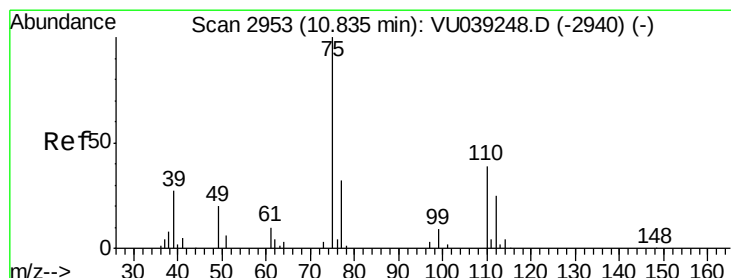
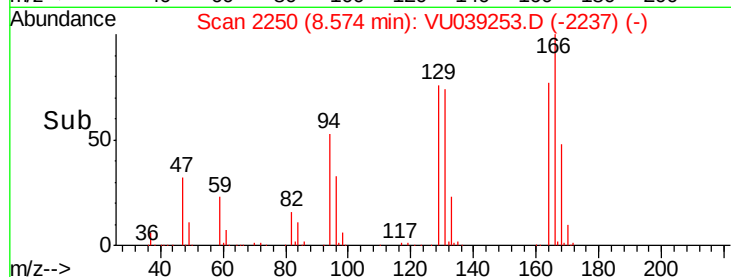
150000

100000

50000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.821 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.99 min

Lab File: VU039253.D

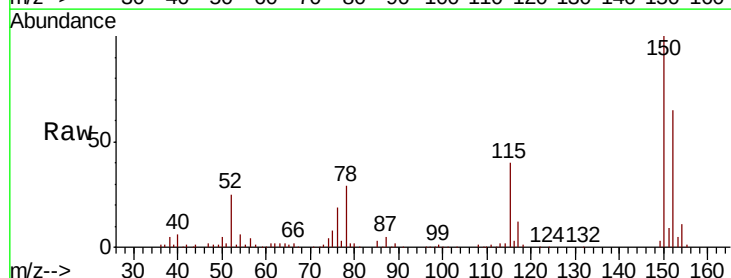
Acq: 01 Jul 2020 02:21

Tgt Ion: 75 Resp: 10876

Ion Ratio Lower Upper

75 100

77 43.6 24.6 36.8#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.82

6000

4000

2000

0

Time--> 11.75 11.80 11.85 11.90

